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Attorney's Docket No.: 17120-002007 / 2401G

**RESPONSE UNDER 37 CFR §1.116
- EXPEDITED PROCEDURE -
EXAMINING GROUP 1600**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Cantor *et al.*
Serial No. : 09/030,571
Filed : February 24, 1998
Title : **POSITIONAL SEQUENCING BY HYBRIDIZATION**

Art Unit : 1634
Examiner : Betty Forman
Conf. No. : 7542

MAIL STOP AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL AMENDMENT AND RESPONSE AFTER FINAL

Dear Sir:

Responsive to the Final Office Action, mailed June 19, 2206 and the Advisory Action, mailed August 30, 2006, and further to the Notice of Appeal, filed October 13, 2006, entry of the following amendments and remarks are respectfully requested. It is respectfully submitted that the amendments and arguments presented below either place the application into condition for allowance or reduce the number of issues for appeal. For example, the cancellation of claims 127-134 and 136-139 renders the rejections under 35 U.S.C. § 112, second paragraph and 35 U.S.C. §102(b) moot.

Amendments to the claims are reflected in the listing of the claims which begin on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.

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I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Mail Stop AF, Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.


Stephanie Feldman